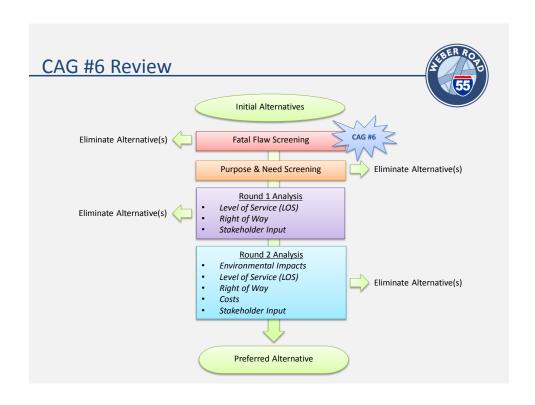


Meeting Objectives



- Review CAG #6
- Alternative Screening Process
- Screening Results
- Next Steps





Community Advisory Group Meeting #6



- Meeting held August 31, 2011
- Main Topics Covered
 - Purpose and Need Statement
 - Evaluation and Screening of Alternatives
 - Fatal Flaw Screening



Review of Initial Range of Alternatives

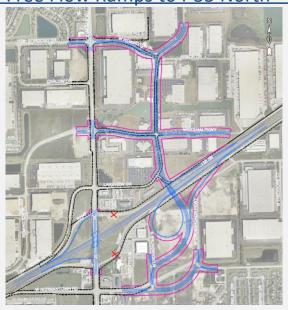


- Combination of:
 - Interchange Improvements
 - Weber Road Improvements
 - Non-Motorized Accommodations
- CAG and TAG input produced 21 total alternatives
- CAG Meeting #6 produced 1 additional alternative



Alternative V <u>Diamond, Free Flow Ramps to I-55 North</u>



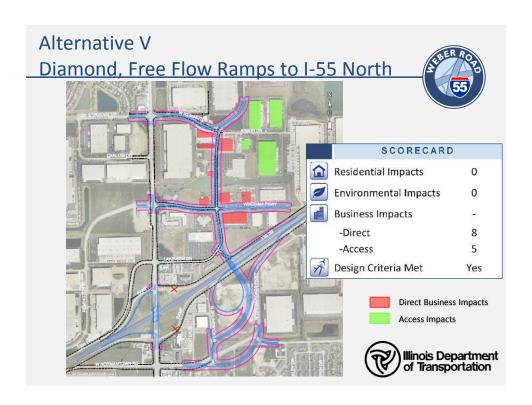


Fatal Flaw Screening



- 22 Alternatives evaluated against Fatal Flaw Screening Criteria
 - Substantial Residential Impacts
 - Substantial Environmental Impacts
 - Substantial Business Impacts
 - Minimum Design criteria not met



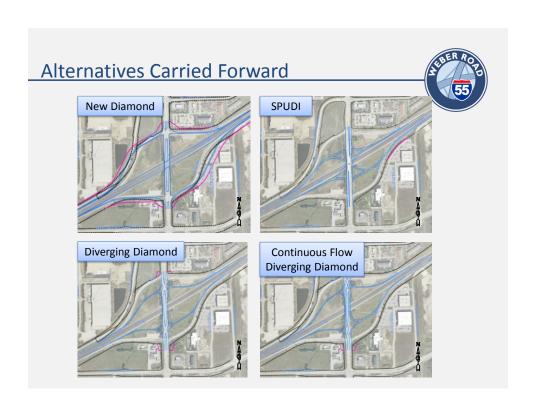


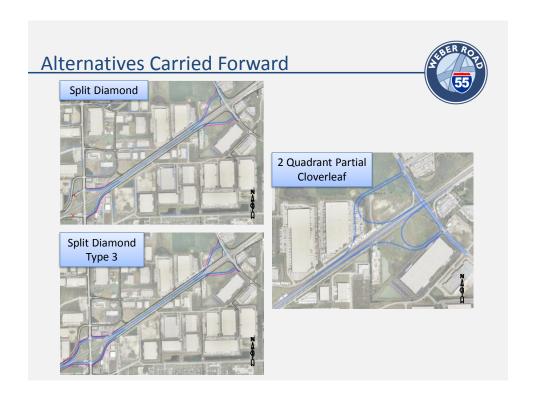
Fatal Flaw Screening Results

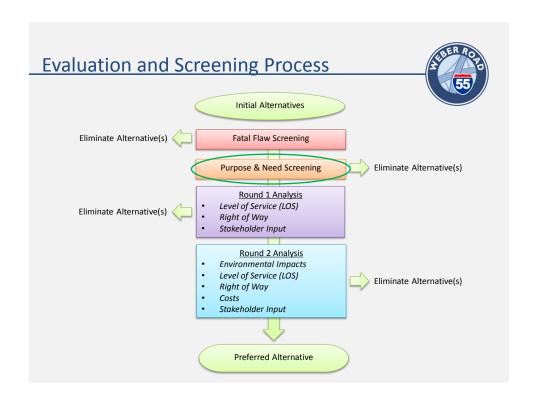


- Eliminate Alternative V based on:
 - Substantial business impacts
- CAG #6 eliminated 14 alternatives from further consideration based on:
 - Substantial business impacts
 - Substantial access impacts
 - Inability to meet design criteria
- Carry forward 7 alternatives for additional evaluation









Purpose and Need Evaluation Process



- Purpose and Need Screening Criteria:
 - Increase Safety
 - Improve Operations
 - Increase Capacity
- Each alternative is compared to the 2040 No Build condition
- All alternatives are compared to each other

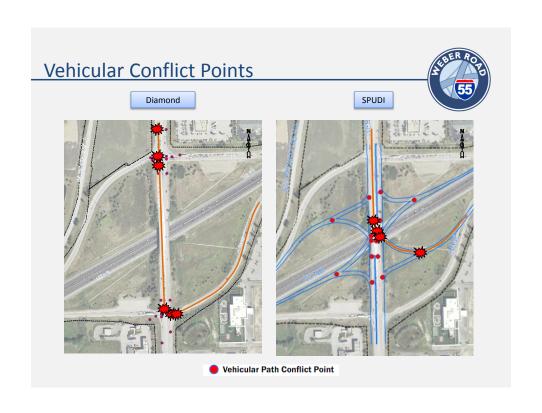


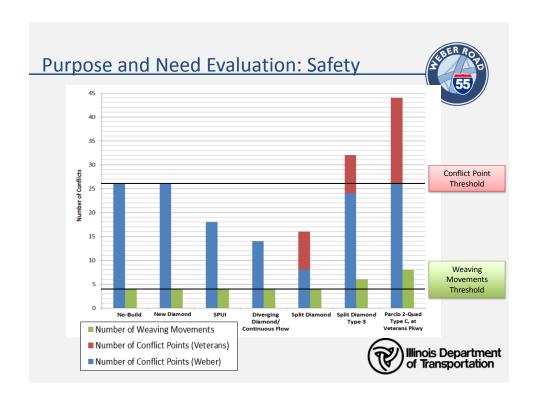
Purpose and Need Evaluation: Safety



- Safety improvements proposed by each alternative will be evaluated by:
 - Number of vehicular conflict points
 - Number of weaving movements in each interchange







Purpose and Need Evaluation: Operations



- Operational improvements proposed by each alternative will be evaluated by:
 - Intersection density
 - Storage length for turn lanes
 - Interchange spacing



Purpose and Need Evaluation: Operations



Alternatives		Operations			
		Alternatives Intersections Meet Minimum Spacing Requirements (Y/N)		Interchanges Meet Minimum Spacing Requirements (Y/N)	
	No-Build	N	N	Υ	
G	New Diamond	N	N	Υ	
L	SPUI	N	Υ	Y	
M/P	Diverging Diamond/Continuous Flow	N	N	Υ	
Q	Split Diamond	N	Υ	N	
Т	Split Diamond Type 3	N	N	N	
U	Partial Cloverleaf Type C	N	N	N	

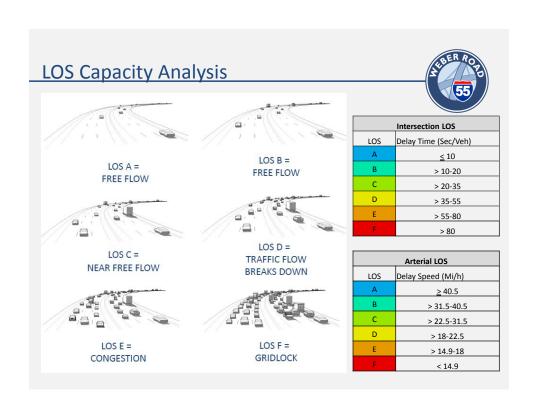


Purpose and Need Evaluation: Capacity



- Capacity improvements proposed by each alternative will be evaluated by:
 - Intersection Level of Service
 - Arterial Level of Service

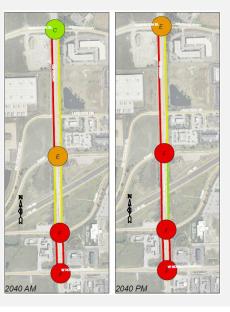




Capacity Analysis: No-Build 2040







Capacity Analysis Results: AM



	Intersection Level of Service (LOS)							
Weber Road Signalized Intersections	2040 No-Build	New Diamond	SPUDI	Diverging Diamond	Split Diamond	Split Diamond Type 3	Partial Cloverleaf Type C	
Remington Blvd/Wyndham Pkwy	С	С	С	С	С	С	С	
I-55 Southbound Ramps	E	O	D	С	С	с	С	
I-55 Northbound Ramps	F	E	D	В	F	D	С	
Normantown Road	F	F	F	С	F	E	E	

Capacity Analysis Results: PM



	Intersection Level of Service (LOS)							
Weber Road Signalized Intersections	2040 No-Build	New Diamond	SPUDI	Diverging Diamond	Split Diamond	Split Diamond Type 3	Partial Cloverleaf Type C	
Remington Blvd/Wyndham Pkwy	E	С	D	С	с	D	С	
I-55 Southbound Ramps	F	D	D	С	с	D	С	
I-55 Northbound Ramps	F	С	D	с	В	С	С	
Normantown Road	F	E	E	С	D	E	D	

Purpose and Need Results



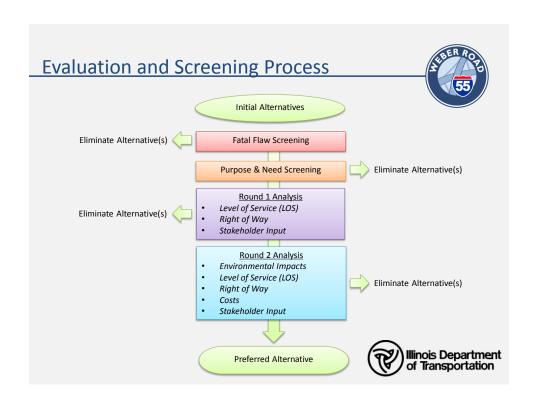
- Eliminate 3 Veterans Parkway Alternatives from further consideration based on:
 - Safety
 - Increase in vehicular conflict points
 - Increase in number of weaving movements
 - Impedes traffic merging onto I-55
 - Operations
 - Does not solve intersection spacing on Weber; creates intersection spacing problem at Veterans Pkwy
 - Similar or worse scenario than 2040 No-Build option
 - Capacity
 - Inability to improve capacity more than a Weber Rd only alternative

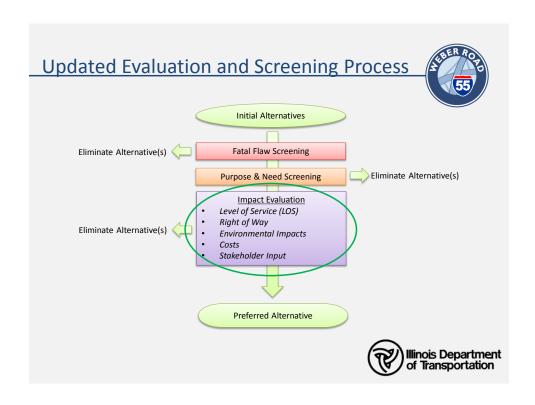
Purpose and Need Results (Cont'd)

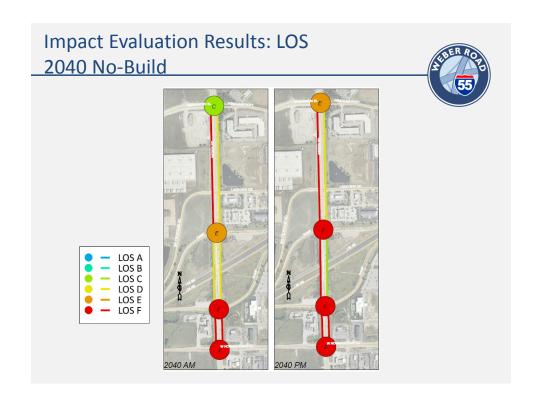


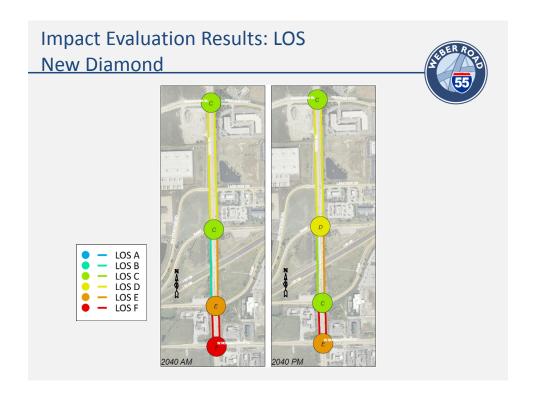
- · Carry forward 4 alternatives for additional evaluation
 - New Diamond
 - SPUDI
 - Diverging Diamond
 - Continuous Flow Diverging Diamond

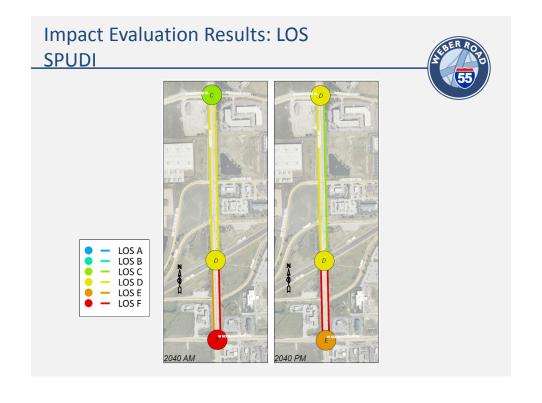








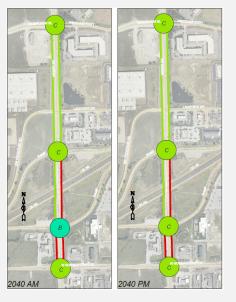




Impact Evaluation Results: LOS <u>Diverging Diamond/Continuous Flow DDI</u>





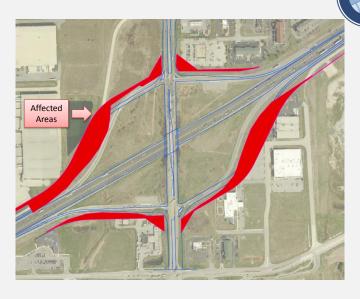


Impact Evaluation Results: Right of Way



Alternative	Interchange Right of Way Acres to be Taken		
No-Build	0		
New Diamond	2.58		
SPUDI	0		
Diverging Diamond	0		
Continuous Flow Diverging Diamond	0		

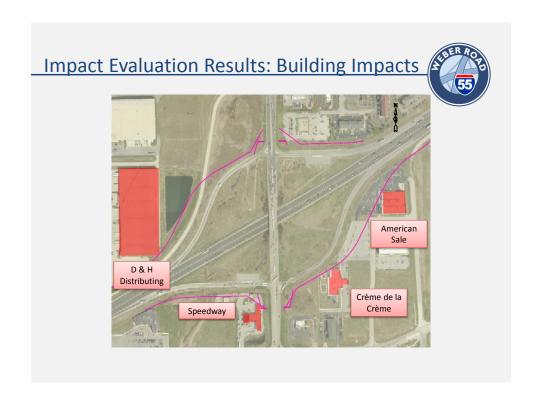




Impact Evaluation Results: Environmental



Alternative	Potential Business Relocations	Potential Parking Impacts	
No-Build	0	0	
New Diamond	4	4	
SPUDI	0	0	
Diverging Diamond	1	1	
Continuous Flow Diverging Diamond	1	1	

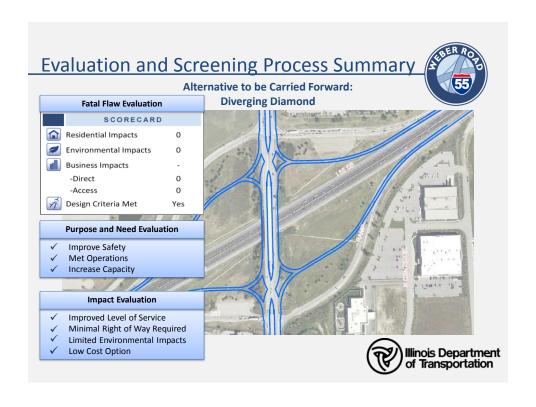




Impact Evaluation Recommendation



		SCOR	ECARD		
	No-Build	New Diamond	SPUDI	Diverging Diamond	Continuous Flow Diverging Diamond
Level of Service	F	D	E	С	С
Right of Way	0	2.58	0	0	0
Environmental	0	4	0	1	1
\$ Costs	0	\$\$	\$\$\$\$	\$	\$\$\$
Stakeholder Input		On Going	On Going	On Going	On Going

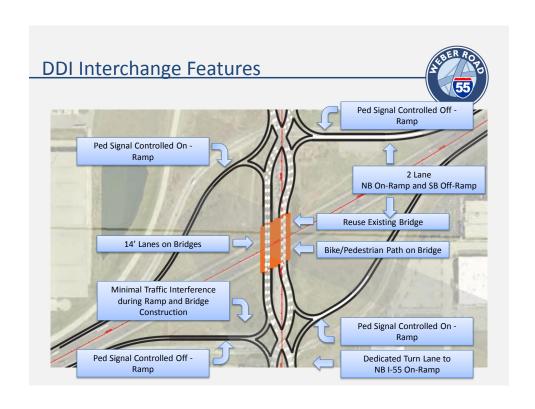


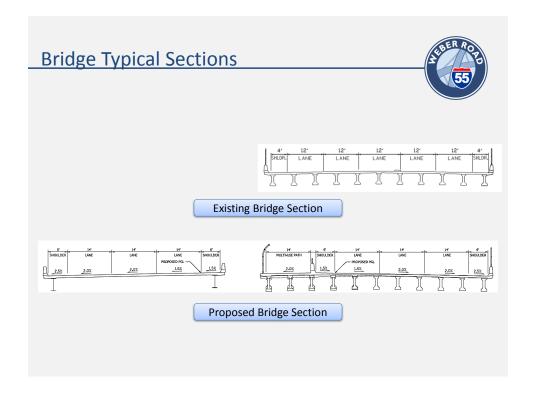


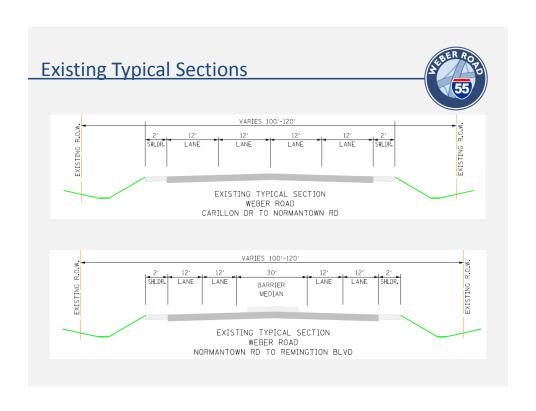


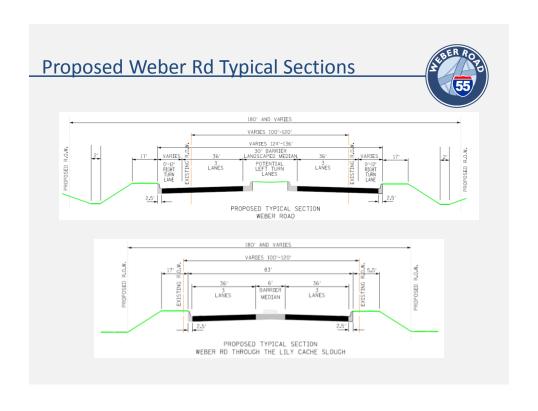
Questions?

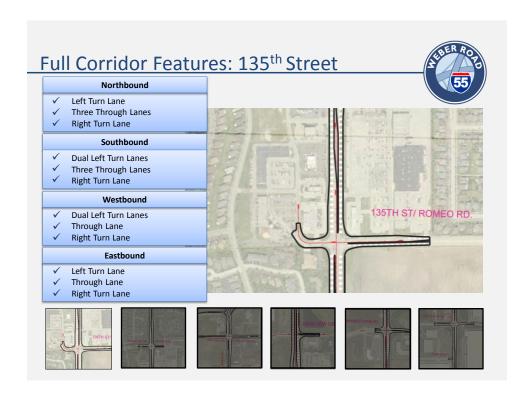






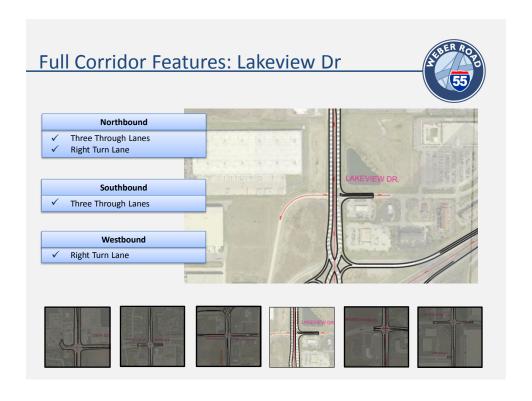


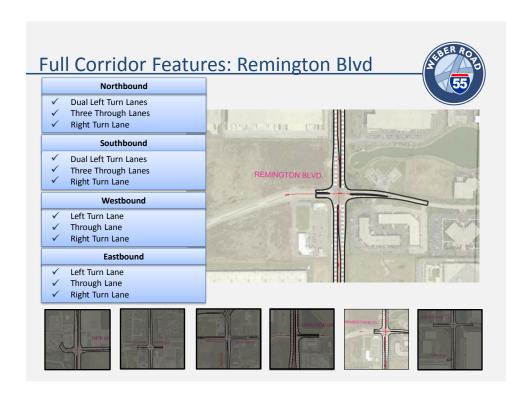


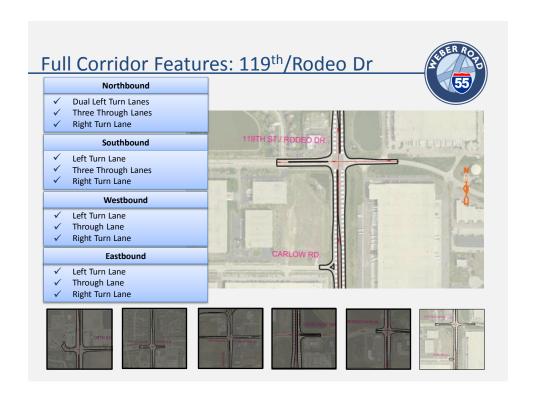


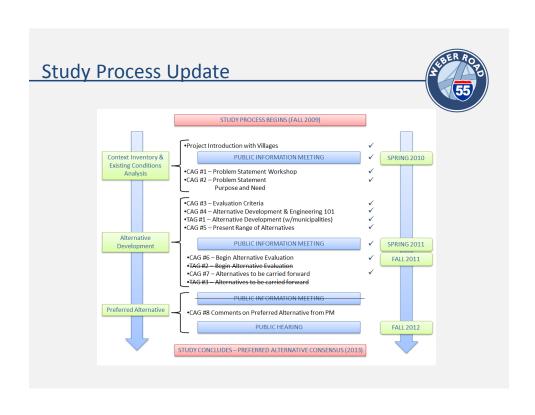


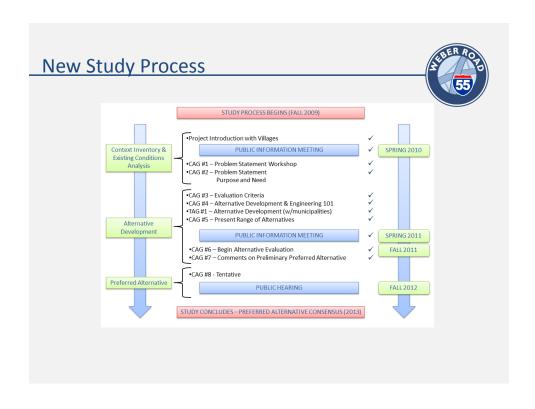












Next Steps Public Hearing Present Preferred Alternative Design Approval Public Hearing (Fall 2012) DETAILED ENVIRONMENTAL AND TECHNICAL STUDIES IDENTIFY DEVELOP IDENTIFY DEFICIENCIES PURPOSE AND NEED POSSIBLE ALTERNATIVES **EVALUATE** CATEGORICAL EXCLUSION II 0 **▲ ◎** 0 **O** 0 0 1>0 Ν Т 0 Æ 2010 2011 2012 O STUDY MILESTONE ▲ PUBLIC MEETING Illinois Department of Transportation PUBLIC HEARING

Thank You!



Citizen Advisory Group Meeting #8

TBD

